## Wildlife Health Necropsy Summary 2003

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## **Abstract**

Wildlife and law enforcement staff submitted the following free-ranging Wisconsin wildlife cases to the Wildlife Health Program for necropsy and testing in 2003. The summary below is not a complete list of all the dead animals received by Wildlife Health, but reflects natural disease processes identified in the submitted wildlife during 2003. We have not included in this summary undetermined causes of death, or cases unsuitable for diagnostic evaluation. We evaluated only those specimens which were in proper condition for analysis, and analyzed the cases which would provide us with further information concerning population health and management choices. The 2003 West Nile virus testing results were presented in the April 2004 Surveys Report. Please contact Wildlife Health if you have inquiries or questions.

Necropsy results, 2003

Number	psy results, 2003	# Diagnosed	Cause of Death	Number Affected						
Reported	SPECIES			NER	NOR				Other	
Birds:								<u> </u>		
3	Common Loon	1	Trauma (intraspecific aggression)		1					
		2	Trauma		2					
36	Double Crested Cormorant	4	Mesogenic Newcastle Disease virus	36						
1	Tundra Swan	1	Trauma		1					
2	Trumpeter Swan	2	Trauma (internal hemorrhage)		1			1		
34	Canada Goose	1	Probable <i>Aspergillus</i> Fungal infection			1				
		3	Trauma (internal hemorrhage)	1	1	1				
		4	Lead Toxicity				30			
130	Mallard	12	Botulism type C	102						
		1	intestinal trematodiasis, Shawano Lake	6						
		1	intestinal trematodiasis, Upper Miss Wildlife Refuge					7		
		2	Trauma (internal hemorrhage)		1	1				
		1	Eggbound				1			
		3	organophosphate/carbamate pesticide toxicity			12				
11	Blue-winged teal	1	Intestinal trematodiasis, Shawano Lake	11						
905	Scaup	1	Trauma (internal hemorrhage)					1		
		5	Intestinal trematodiasis,Lake Michigan				100			
		6	Intestinal trematodiasis, Upper Miss Wildlife Refuge					790		
		2	Intestinal trematodiasis, Shawano Lake	14						
2	Bufflehead	2	Intestinal trematodiasis, Upper Miss Wildlife Refuge					2		

Number	SPECIES	# Diagnosed	Cause of Death	Number Affected						
Reported				NER	NOR	SCR	SER	WCR	Other	
6	Ruddy duck	2	Intestinal trematodiasis, Upper Miss Wildlife Refuge					6		
2	Sharp-shinned Hawk	1	Euthanized (kidney impaction)	1						
		1	Trauma (internal free blood)	1						
4	Coopers Hawk	3	Trauma (Internal free blood)			3				
		1	Rodenticide anticoagulant, internal hemorrhage			1				
1	Northern Goshawk	1	Trauma (internal free blood)					1		
3	Great Blue Heron	2	Emaciation				2			
		1	Trauma	1						
7	Red-tailed Hawk	1	Organophosphate/carbamate pesticide toxicity			1				
		1	Emaciation	1						
		1	Rodenticide anticoagulant, internal hemorrhage			1				
		4	Trauma (internal free blood)			4				
1	Rough-legged Hawk	1	Trauma	1						
1	Golden Eagle	1	Shot					1		
1	Peregrine Falcon	1	Trauma (vehicle impact)			1				
1	American kestrel	1	Internal hemorrhage			1				
6	Wild Turkey	1	Peritonitis/cloacal impaction					1		
		1	Avian pox virus			1				
		1	Diazinon toxicity		4					
1	Sandhill crane	1	Electrocution trauma			1				
3,263	American coot	1	Intestinal trematodiasis, Shawano Lake	909						
		12	Intestinal trematodiasis, Upper Miss Wildlife Refuge	2,354						
2	Woodcock	2	Trauma (internal hemorrhage)		1			1		
7	Ring-billed gull	1	Intestinal trematodiasis, Shawano Lake	3						
		1	Intestinal trematodiasis, Upper Miss Wildlife Refuge					4		
2	Great Horned Owl	1	Trauma (internal hemorrhage)	1						
		1	Liver, spleen, kidney abscesses			1				
95	Purple Martin	5	Nestlings; likely starvation due to inadequate food supply at nesting colony	95						
1	Rose-breasted Grosbeak	1	Trauma (internal hemorrhage)		1					

Number	SPECIES	#	Cause of Death	Number Affected						
Reported		Diagnosed		NER	NOR	SCR	SER	WCR	Other	
87	Bald Eagle	35	Trauma (vehicle impact)		24			11		
		11	Trauma (unknown origin)	1	8	1		1		
		8	Electrocution trauma		7			1		
		11	Lead poisoning		7	1		3		
		1	Hepatopathy (lower WI River)					1		
		2	Drowned		1	1				
		1	Inadvertent trapping			1				
		2	Internal hemorrhage (likely lightening strike)	2						
		3	Trauma (intraspecific aggression)		3					
		2	Shot		2					
		2	Trauma (fell from nest)		2					
		1	Rodenticide anticoagulant, internal hemorrhage		1					
		4	Euthanized (vehicle trauma)		4					
		1	Euthanized (electrocution trauma)		1					
		1	Euthanized (ocular disease)			1				
		1	Euthanized (seizure disorder)			1				
		1	Euthanized (undetermined trauma)		1					
Mammal	s:					ı	ı			
2	Cottontail Rabbit	2	Trauma	1			1			
6	Gray Squirrel	6	Trauma (internal hemorrhage)			4		2		
47	Little Brown Bat	3	Likely bacterial septicemia				40			
		2	Pasteurella multocida bacterial infection			7				
4	Gray Fox	1	Euthanasia (Pasteurella (bronchopneumonia)					1		
		1	Bronchopneumonia					1		
		1	Kidney failure					1		
		1	Canine distemper virus, bacterial bronchopneumonia		1					
23	Gray Wolf	10	Trauma (vehicle impact)		7	1	1	1		
		5	Shot	3	1				1 (Indiana)	
		5	Sarcoptic Mange	1	2			2		
		2	Trauma (intraspecific aggression)	1	1					
		1	Euthanized, ocular disease		1					
1	Bobcat	1	Emaciation/metazoan parasites		1					
1	Badger	1	Trauma (internal hemorrhage)		1					

Number Reported	SPECIES	# Diagnosed	Cause of Death	Number Affected						
				NER	NOR	SCR	SER	WCR	Other	
1	American Marten	1	Trauma (vehicle impact)		1					
2	Raccoon	1	Trauma					1		
		1	Euthanized/suspect organophosphate/carbamate pesticide toxicity				1			
1	Black Bear	1	shot		1					
19	White-tailed Deer	2	Trauma (vehicle impact)		1			1		
		3	Cranial abscessation syndrome					3		
		1	Meningeal worm meningitis	1						
		1	Lung abscesses		1					
		2	Euthanized/Dermatitis (louse infestation)		2					
		2	Bronchopneumonia (A. pyogenes)	1		1				
		1	Ruminal abscess	1						
		6	Lymph node/subcutaneous abscesses	2		3		1		
		1	Lymph node round cell tumor			1				
1	Elk	1	Calf; fetal distress/pulmonary meconium		1					